**Section 1 - IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

1.1 Product Identifier:
Product Identifier: Control Line Fluid
Manufacturer Part Number(s)

102-0390, Advanta Dx Control Line Fluid, 10-pack (EUA IVD)

**Substance Registration Number(s)**
This material is imported in amounts < 1 tonne/annum. This product and its components are not subject to REACH.

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against
Identified Uses
In vitro Diagnostic kit for Emergency Use Authorization Only.

1.3 Details of the Supplier of the Safety Data Sheet
Fluidigm Corporation
2 Tower Place Suite 2000
South San Francisco, CA  94080
Main Phone (U.S.): +1-650-266-6000
Email: techsupport@fluidigm.com

1.4 Emergency Telephone Number
+1-650-266-6100 (Outside US)
+1-866-358-4354 (toll free)

**Section 2 - HAZARDS IDENTIFICATION**

2.1 Classification of the Substance or Mixture
Classification according to Regulation (EC) No 1272/2008
No classification is assigned based on classification criteria. Review the entire data sheet for any additional information which did not result in a classification.

Classification according to Directives 67/548/EEC and/or 1999/45/EC
No classification is assigned based on classification criteria. Review the entire data sheet for any additional information which did not result in a classification.

2.2 Label Elements
Labeling according to Regulation (EC) 1272/2008:

Symbol(s)
None needed according to classification criteria.

Signal Word
None needed according to classification criteria.

Hazard Statement(s)
None needed according to classification criteria.

Precautionary Statement(s)
Prevention
None needed according to classification criteria.
Response
None needed according to classification criteria.

Storage
None needed according to classification criteria.

Disposal
None needed according to classification criteria.

Labelling according to Directive 67/548/EEC and/or 1999/45/EC
None needed according to classification criteria.

** Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS **

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>EC No</th>
<th>Registration No</th>
<th>67/548 EEC (DSD)</th>
<th>1272/2008 (CLP)</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-hazardous ingredients</td>
<td>Trade Secret</td>
<td>Not Available</td>
<td>Not Available</td>
<td>----</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

** Section 4 - FIRST AID MEASURES **

4.1 Description of First Aid Measures

Inhalation
If fumes or combustion products are inhaled remove from contaminated area. If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

Skin
Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Eyes
Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

Ingestion
Never make an unconscious person vomit or drink fluids. Rinse mouth out with water. If a large amount is ingested, seek medical attention.

4.2 Most Important Symptoms and Effects, both Acute and Delayed

Acute
No information on significant adverse effects.

Delayed
No information on significant adverse effects.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians
No special instructions.

Antidote
Treat symptomatically and supportively.
**Section 5 - FIRE FIGHTING MEASURES**

5.1 Extinguishing Media

**Suitable Extinguishing Media**
Use extinguishing agents appropriate for surrounding fire.

**Unsuitable Extinguishing Media**
None known.

5.2 Special Hazards Arising from the Substance or Mixture

This material will not burn.

**Combustion:** oxides of carbon, fluorinated compounds

5.3 Advice for Firefighters

**Fire Fighting Measures**
Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Stay away from the ends of tanks.

**Protective Equipment and Precautions for Firefighters**
Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

**Section 6 - ACCIDENTAL RELEASE MEASURES**

6.1 Personal Precautions, Protective Equipment and Emergency Procedures
Wear personal protective clothing and equipment.

6.2 Environmental Precautions
Avoid release to the environment. Prevent entry into waterways, sewers, basement, or confined areas.

6.3 Methods and Material for Containment and Cleaning up
Spillages should be soaked up onto paper, vermiculite, rags or sawdust and disposed of in accordance with local regulations. Shovel or sweep up. Place in closed container for disposal. Remove sources of ignition.

6.4 Reference to Other Sections
See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations. See Section 13 for Disposal Considerations.

**Section 7 - HANDLING AND STORAGE**

7.1 Precautions for Safe Handling
Avoid breathing vapors or mists of this material. Avoid contact with skin and eyes. Use only in well ventilated areas. Keep away from heat, sparks and flame. Wash thoroughly after handling. Use in accordance with good industrial hygiene practices.

7.2 Conditions for Safe Storage, Including any Incompatibilities
Store and handle in accordance with all current regulations and standards. Store at +15°C to +30°C. Keep container closed when not in use. Keep separated from incompatible substances.

**Incompatibilities:** None known.

7.3 Specific End Use(s)

*In vitro* Diagnostic kit For Emergency Use Authorization Only.
**Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

8.1 Control Parameters

Component Exposure Limits

EU, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Ireland, Netherlands, Portugal, Spain, Sweden and United Kingdom have not developed exposure limits for any of this product's components.

Biological Exposure Limits

There are no biological limit values for any of this product's components.

Derived No Effect Levels (DNELs)

No DNELs available.

Predicted No Effect Concentrations (PNECs)

No PNECs available.

8.2 Exposure Controls

Engineering Controls

Provide local exhaust ventilation system. Use ventilation when oil is heated above 550°F. Ensure compliance with applicable exposure limits.

Eye / Face Protection

Wear safety glasses or safety goggles, with a face-shield, as appropriate. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin Protection

Wear appropriate chemical resistant clothing. When chemical splash hazard exists, wear coveralls and/or apron.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Respiratory Protection

Respiratory protection is not required under normal conditions of use.

If ventilation is not sufficient to effectively prevent buildup of mists or vapors, appropriate respiratory protection must be provided.

Environmental Exposure Controls

Avoid release to the environment.
**Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

9.1 Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>odorless</td>
</tr>
<tr>
<td>pH</td>
<td>neutral</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Explosive Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not available</td>
</tr>
<tr>
<td>Appearance</td>
<td>viscous oil</td>
</tr>
<tr>
<td>Physical Form</td>
<td>oil</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>350 °C</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Does not flash (PMCC)</td>
</tr>
<tr>
<td>Lower Explosive Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto Ignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Density (air = 1)</td>
<td>1.86-1.91 @ 24 °C</td>
</tr>
<tr>
<td>Specific Gravity (water = 1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Coeff. Water/Oil Dist</td>
<td>Not available</td>
</tr>
<tr>
<td>Volatility</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Section 10 - STABILITY AND REACTIVITY**

10.1 Reactivity
No reactivity hazard is expected.

10.2 Chemical Stability
Stable at normal temperatures and pressure.

10.3 Possibility of Hazardous Reactions
Will not polymerize.

10.4 Conditions to Avoid
Avoid heating above 350°C (662°F). Avoid excessive heat and ignition sources. Avoid contact with incompatible materials.

10.5 Incompatible Materials
None known.

10.6 Hazardous Decomposition Products
Avoid heating above 350°C (662°F). Decomposition can form fluorinated compounds. At temperatures above 355°C (670°F), decomposition accelerates with generation of fluorinated compounds. Depolymerization may occur in the presence of some metal oxides at temperatures above 288°C (550°F).

**Section 11 - TOXICOLOGICAL INFORMATION**

11.1 Information on Toxicological Effects

Acute and Chronic Toxicity
May cause respiratory tract irritation. May cause irritation of the skin and eyes. A single inhalation exposure produced nonspecific effects such as respiratory irritation. Exposure to thermal decomposition products produced irritation, irregular respiration, tremors and increased liver weight. Repeated inhalation exposures to 10, 100, or 1000 mg/m3 caused increased lung weights and microscopic particle-laden macrophages in the lungs and lymph nodes; this was an expected pulmonary response to high aerosol concentrations of an inert material.
Component Analysis - LD50/LC50
>17000 mg/kg dermal absorption-rabbit ALD >19.54 mg/L 4 hour inhalation-rat ALC >25000 mg/kg oral-rat ALD

Irritation / Corrosivity
May cause respiratory tract irritation. May cause irritation of the skin and eyes.

Respiratory Sensitization
Not known to be a sensitizing agent.

Skin Sensitization
This material is not considered to be a skin sensitizer.

Germ Cell Mutagenicity
No genetic effects were observed in standard mutagenicity tests using bacterial cell cultures.

Carcinogenicity
Component Carcinogenicity
None of this product's components are listed by IARC or DFG.

Reproductive Toxicity
No data available.

Specific Target Organ Toxicity - Single Exposure
No data available.

Specific Target Organ Toxicity - Repeated Exposure
No data available.

Aspiration Hazard
No data available.

**Section 12 - ECOLOGICAL INFORMATION**

12.1 Toxicity
No information available for the product.

Fish Toxicity
>1000 mg/L 96 hour(s) LC50 Rainbow Trout;

Invertebrate Toxicity
>1000 mg/L 48 hours EC50 Daphnia magna.

12.2 Persistence and Degradability
No information available for the product.

12.3 Bioaccumulative Potential
No information available for the product.

12.4 Mobility in Soil
No information available for the product.

12.5 Results of PBT and vPvB Assessment
No information available for the product.

EU - Interim Strategy for Management of PBT and vPvB Substances (PBT Assessments)
No components of this material are listed.

12.6 Other Adverse Effects
No information available for the product.

**Section 13 - DISPOSAL CONSIDERATIONS**

13.1 Waste Treatment Methods
Dispose in accordance with all applicable regulations. Reprocess whenever possible.
**Section 14 - TRANSPORT INFORMATION**

Not regulated as dangerous goods.

**International Bulk Chemical Code**

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

**Section 15 - REGULATORY INFORMATION**

15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture

**EU - REACH (1907/2006) - Annex XIV List of Substances Subject to Authorisation**

No components of this material are listed.

**EU - REACH (1907/2006) - Article 59(1) Candidate List of Substances Subject to Authorisation**

No components of this material are listed.

**EU - REACH (1907/2006) - Annex XVII Restrictions of Certain Dangerous Substances, Mixtures and Articles**

No components of this material are listed.

**Germany Regulations**

**Germany Water Classification**

Non-hazardous ingredients (Trade Secret)

ID Number 5143, hazard class 1 - low hazard to waters

**Denmark Regulations**

**Environmental Protection Agency List of Undesirable Substances**

No components of this material are listed.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for the substance/mixture.

**Component Analysis - Inventory**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>US</th>
<th>CA</th>
<th>EU</th>
<th>AU</th>
<th>PH</th>
<th>JP</th>
<th>KR</th>
<th>CN</th>
<th>NZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-hazardous ingredients</td>
<td>Trade Secret</td>
<td>Yes</td>
<td>DSL</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Section 16 - OTHER INFORMATION**

16.1 Indication of changes

Revision 01: CHG-002362; September 2020; Initial release

16.2 Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; CAS - Chemical Abstracts Service; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; Kow - Octanol/water partition coefficient; LEL - Lower Explosive Limit; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NIOSH - National Institute for Occupational Safety and Health; NTP = National Toxicology Program; STEL - Short-term Exposure Limit; TWA - Time Weighted Average; UEL - Upper Explosive Limit; WHMIS - Workplace Hazardous Materials Information System

16.3 Key literature references and sources for data

Available upon request

16.4 Methods used for classification of mixture according to Regulation (EC) No 1272/2008

Available upon request
16.6 Training Advice
None

16.7 Other Information
Disclaimer: Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product. For In Vitro Diagnostic Use. For Emergency Use Authorization Only. RX only. This test has not been FDA cleared or approved. This test has been authorized by FDA under an EUA for use by authorized laboratories. This test has been authorized only for the detection of nucleic acid from SARS-CoV-2, not for any other viruses or pathogens. This test is only authorized for the duration of the declaration that circumstances exist justifying the authorization of emergency use of in vitro diagnostics for detection and/or diagnosis of COVID-19 under Section 564(b)(1) of the Act, 21 U.S.C. § 360bbr-3(b)(1), unless the authorization is terminated or revoked sooner.

End of Sheet SDS-00022_EU